

## FOUR GASTROPOD FAMILY-GROUP NAMES: PROPOSED SUPPRESSION UNDER THE PLENARY POWERS. (Z.N.(S.) 1212.

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In this application the International Commission is asked to use its plenary powers to validate four gastropod family-group names which are junior synonyms, although based on the oldest available names for their type-genera. The authors, in preparing the section "Gastropoda of the Paleozoic" which appears in Gastropoda, Part I, of the *Treatise on Invertebrate Paleontology* (1960), in the interests of stability and universality of nomenclature, have not followed priority for the family-group names concerned.

2. The generic name *Protowarthia* Ulrich & Schofield, 1897 (*Geol. Minnesota, Final Report* 3(2) : 848) was proposed for certain Ordovician bellerophonitid gastropods from the Ordovician of North America. In the same publication, the family-group name PROTOWARTHIDAE was proposed for this and allied genera. A year earlier Koken (1896, *Die Leitfossilien* : 393) had proposed the name *Sinuities* for congeneric forms from Europe. For many years *Protowarthia* has been recognized to be a subjective junior synonym of *Sinuities*. The family-group name SINUITIDAE Dall, 1913 (*in Eastman-Zittel, Textb. Paleont.* 1 : 521) although junior to PROTOWARTHIDAE has been in common usage since it was first introduced. The type-species of *Sinuities* is *Bellerophon bilobatus* Sowerby, 1839 (*in Murchison, Silurian System* : 643) by designation by Bassler (1915, *U.S. nat. Mus. Bull.* 92 : 1159).

3. The generic name *Maclurite* Lesueur, 1818 (*J. Acad. nat. Sci. Philad.* 1 : 312) was evidently a *lapsus* for *Maclurites*. As pointed out by Knight, 1941 (*Geol. Soc. Amer. sp. Paper* 32 : 184) Lesueur had, on the previous page, used the termination *-ites* for generic names and *-ite* for the vernacular form of the same names. Lesueur's name *Maclurite* has been emended several times—to *Maclurita* by Blainville, 1823 (*Dict. Sci. nat.* 27 : 519), to *Maclurites* by Menke, 1830 (*Synopsis meth. Moll.* (ed. 2) : 53) and to *Maclurea* by Emmons, 1842 (*Geol. New York* (2) : 312). Blainville's and Emmons' emendations are certainly unjustified and rank as junior objective synonyms of Lesueur's name. *Maclurites* Menke, however, we consider to be a justified emendation and this form of the name has gained general acceptance. We therefore ask the Commission to rule that Menke's emendation was a valid one. The type-species of *Maclurites* is *Maclurites magna* Lesueur, 1818 (loc. cit.), by designation by de Koninck, 1881 (*Ann. Mus. roy. Hist. nat. Belg.* (Sér. Palaeont.) 6 : 107).

4. Carpenter, 1861 (*Ann. Rept. Smiths. Inst.* 1860, appendix : 216) proposed the family-group name MACLUREADAE, and Gill, 1871 (*Smiths. misc. Coll.* 227 : 11) proposed the family-group names MACLURAEIDEA and MACLURAEACEA,

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all based on the junior objective synonym *Maclurea* Emmons, 1842. These names have priority over MACLURITIDAE Fischer, 1885 (*Manuel de Conch.* (9) : 805) but have been little used. We have not used them in the Treatise.

5. Though *Euomphalus* Sowerby, 1814 (*Min. Conch.* 1 : 97) and *Schizostoma* Bronn, [1834] (*Lethaea Geognostica* 1 : 95) have been considered to be the names of distinct genera by some workers, other workers, particularly in the last twenty years, including the writers, consider them to be synonyms. The family-group EUOMPHALIDAE de Koninck, 1881 (*Ann. Mus. roy. Hist. nat. Belg.* (Sér. Palaeont.) 6 : 106) has been used by almost all workers. The family-group name SCHIZOSTOMATIDAE Eichwald, 1871 (*Geogn.-Palaeont. Bemerk. Halbin. Mang. Aleut. Inseln* : 119) has been little used and in the Treatise we have abandoned it. The type-species of *Euomphalus* Sowerby is *Euomphalus pentangulatus* Sowerby, 1814 (loc. cit.), by designation by Meek & Worthen, 1866 (*Geol. Surv. Illinois* 2, Palaeontology : 158).

6. The generic name *Oriostoma* Munier-Chalmas, 1876, was emended to *Horiostoma* by Fischer, 1885 (*Manuel de Conch.* (9) : 813). Although this emendation was technically an invalid junior objective synonym, it was widely used for some years. During this period Koken, 1897 (*Jahrb. Geol. Reich.* 46 : 47), proposed the family-group name HORIOSTOMATIDAE based on this emendation. Wenz, 1938 (*Handb. Paläozool.* 6, Gastropoda 1 : 206) proposed ORIOSTOMATIDAE, based on the valid senior generic name. Although HORIOSTOMATIDAE has priority, we ask that our acceptance of ORIOSTOMATIDAE be stabilized. The type-species of *Oriostoma* is *Oriostoma barrandei* Munier-Chalmas, 1876 (loc. cit.), by original designation.

7. The International Commission on Zoological Nomenclature is now asked :

- (1) to use its plenary powers to suppress the following family-group names for the purposes of the Law of Priority but not for those of the Law Homonymy :—

- (a) PROTOWARTHIDAE Ulrich & Schofield, 1897 ;
- (b) MACLUREADAE Carpenter, 1861 ;
- (c) MACLURAEIDEA Gill, 1871 ;
- (d) SCHIZOSTOMATIDAE Eichwald, 1871 ;
- (e) HORIOSTOMATIDAE Koken, 1897 ;

- (2) to place the following generic names on the Official List of Generic Names in Zoology :—

- (a) *Sinuities* Koken, 1896 (gender : masculine), type-species, by designation by Bassler, 1915, *Bellerophon bilobatus* Sowerby, 1839 ;
- (b) *Maclurites* (emend. of *Maclurite*) Lesueur, 1818 (gender : masculine), type-species, by designation by de Koninck, 1881, *Maclurites magna* Lesueur, 1818 ;
- (c) *Euomphalus* Sowerby, 1814 (gender : masculine), type-species, by designation by Meek & Worthen, 1866, *Euomphalus pentangulatus* Sowerby, 1814 ;
- (d) *Oriostoma* Munier-Chalmas, 1876 (gender : feminine), type-species, by original designation, *Oriostoma barrandei* Munier-Chalmas, 1876 ;

(3) to place the following specific names on the Official List of Specific Names in Zoology :—

- (a) *bilobatus* Sowerby, 1839, as published in the binomen *Bellerophon bilobatus* (type-species of *Sinuities* Koken, 1896) ;
- (b) *magna* Lesueur, 1818, as published in the binomen *Maclurites magna* (type-species of *Maclurites* Lesueur, 1818) ;
- (c) *pentangulatus* Sowerby, 1814, as published in the binomen *Euomphalus pentangulatus* (type-species of *Euomphalus* Sowerby, 1814) ;
- (d) *barrandei* Munier-Chalmas, 1876, as published in the binomen *Oriostoma barrandei* (type-species of *Oriostoma* Munier-Chalmas, 1876) ;

(4) to place the following generic names on the Official Index of Rejected and Invalid Generic Names in Zoology :—

- (a) *Maclurite* Lesueur, 1818 (an invalid original spelling for *Maclurites*) ;
- (b) *Maclurita* Blainville, 1823 (an invalid emendation of *Maclurites* Lesueur, 1818) ;
- (c) *Maclurea* Emmons, 1842 (an invalid emendation of *Maclurites* Lesueur, 1818) ;
- (d) *Horiostoma* Fischer, 1885 (an invalid emendation of *Oriostoma* Munier-Chalmas, 1876) ;

(5) to place the following family-group names on the Official List of Family-Group Names in Zoology :—

- (a) SINUITIDAE Dall, 1913 (type-genus *Sinuities* Koken, 1896) ;
- (b) MACLURITIDAE Fischer, 1885 (type-genus *Maclurites* Lesueur, 1818) ;
- (c) EUOMPHALIDAE de Koninck, 1881 (type-genus *Euomphalus* Sowerby, 1814) ;
- (d) ORIOSTOMATIDAE Wenz, 1938 (type-genus *Oriostoma* Munier-Chalmas, 1876) ;

(6) to place the following family-group names on the Official Index of Rejected and Invalid Family-Group Names in Zoology (all suppressed under the plenary powers in (1) above) :—

- (a) PROTOWARTHIDAE Ulrich & Schofield, 1897 (type-genus *Protowarthia* Ulrich & Schofield, 1897) ;
- (b) MACLUREADAE Carpenter, 1861 (type-genus *Maclurea* Emmons, 1842) ;
- (c) MACLURAEIDEA Gill, 1871 (type-genus *Maclurea* Emmons, 1842) ;
- (d) SCHIZOSTOMATIDAE Eichwald, 1871 (type-genus *Schizostoma* Bronn, [1834]) ;
- (e) HORIOSTOMATIDAE Koken, 1897 (type-genus *Horiostoma* Fischer, 1885).